

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/003707

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D405/14 C07D401/14 C07D413/14 C07D401/12 A61K31/4709
 A61P1/04 A61P1/08 A61P25/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 458 636 A (KYOWA HAKKO KOGYO KABUSHIKI KAISHA) 27 November 1991 (1991-11-27) claims 1-5	1-14
Y	WO 96/05166 A (YAMANOUCHI PHARMACEUTICAL CO., LTD.) 22 February 1996 (1996-02-22) claims 1-21	1-14
A	EP 0 710 662 A (TAISHO PHARMACEUTICAL CO., LTD.) 8 May 1996 (1996-05-08) claims 1-10	1-14
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

10/03/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	N. KISHIBAYASHI ET AL.: "5-HT ₃ Receptor Antagonists. 3. Quinoline Derivatives Which May Be Effective in the Therapy of Irritable Bowel Syndrome" J. MED. CHEM., vol. 36, no. 22, 1993, pages 3286-3292, XP002319220 tables II,III	1-14
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06, 28 June 1996 (1996-06-28) & JP 08 034783 A (TAISHO PHARMACEUTICAL CO., LTD.), 6 February 1996 (1996-02-06) abstract	1-14
Y	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06, 28 June 1996 (1996-06-28) & JP 08 034784 A (TAISHO PHARMACEUTICAL CO., LTD.), 6 February 1996 (1996-02-06) abstract	1-14
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 06, 28 June 1996 (1996-06-28) & JP 08 034785 A (TAISHO PHARMACEUTICAL CO., LTD.), 6 February 1996 (1996-02-06) abstract	1-14
Y	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 11, 28 January 1997 (1997-01-28) & JP 09 194374 A (TAISHO PHARMACEUTICAL CO., LTD.), 29 July 1997 (1997-07-29) abstract	1-14
A	EP 0 670 319 A (THAISHO PHARMACEUTICAL CO., LTD.) 6 September 1995 (1995-09-06) claims 1-11	1-14
Y	US 6 544 997 B1 (J.-P. R. M. A. BOSMANS ET AL.) 8 April 2003 (2003-04-08) claims 1-9	1-14
Y	EP 0 382 687 A (ISTITUTO DE ANGELI S.P.A.) 16 August 1990 (1990-08-16) claims 1-19	1-14

INTERNATIONAL SEARCH REPORT

In International Application No
PCT/IB2004/003707

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0458636	A	27-11-1991	AT 124944 T CA 2043071 A1 DE 69111138 D1 DE 69111138 T2 DK 458636 T3 EP 0458636 A1 ES 2075350 T3 GR 3017243 T3 JP 3122671 B2 JP 4226980 A US 5248684 A	15-07-1995 24-11-1991 17-08-1995 30-11-1995 21-08-1995 27-11-1991 01-10-1995 30-11-1995 09-01-2001 17-08-1992 28-09-1993
WO 9605166	A	22-02-1996	AU 3192295 A WO 9605166 A1	07-03-1996 22-02-1996
EP 0710662	A	08-05-1996	AT 200286 T AU 685632 B2 AU 2454895 A CA 2167055 A1 DE 69520545 D1 DE 69520545 T2 EP 0710662 A1 US 5753673 A EP 1018513 A2 WO 9531455 A1 JP 8034784 A	15-04-2001 22-01-1998 05-12-1995 23-11-1995 10-05-2001 09-08-2001 08-05-1996 19-05-1998 12-07-2000 23-11-1995 06-02-1996
JP 08034783	A	06-02-1996	NONE	
JP 08034784	A	06-02-1996	AT 200286 T AU 685632 B2 AU 2454895 A CA 2167055 A1 DE 69520545 D1 DE 69520545 T2 EP 0710662 A1 EP 1018513 A2 WO 9531455 A1 US 5753673 A	15-04-2001 22-01-1998 05-12-1995 23-11-1995 10-05-2001 09-08-2001 08-05-1996 12-07-2000 23-11-1995 19-05-1998
JP 08034785	A	06-02-1996	NONE	
JP 09194374	A	29-07-1997	NONE	
EP 0670319	A	06-09-1995	AU 5161593 A EP 0670319 A1 WO 9412497 A1 US 5571820 A	22-06-1994 06-09-1995 09-06-1994 05-11-1996
US 6544997	B1	08-04-2003	AU 770397 B2 AU 2432800 A BG 105571 A BR 9916491 A CA 2355857 A1 CN 1331690 T CZ 20012117 A3 EA 3608 B1 EE 200100335 A	19-02-2004 12-07-2000 31-01-2002 04-09-2001 29-06-2000 16-01-2002 17-10-2001 26-06-2003 15-08-2002

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/003707

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6544997	B1		WO 0037461 A1	29-06-2000
			EP 1140915 A1	10-10-2001
			HR 20010445 A1	30-06-2002
			HU 0104838 A2	29-07-2002
			ID 28953 A	19-07-2001
			JP 2002533337 T	08-10-2002
			NO 20012858 A	08-06-2001
			NZ 512871 A	26-11-2002
			PL 348417 A1	20-05-2002
			SK 8592001 A3	05-02-2002
			TR 200101962 T2	22-04-2002
			TW 570920 B	11-01-2004
			US 2003181456 A1	25-09-2003
			ZA 200105135 A	21-06-2002
EP 0382687	A	16-08-1990	IT 1228293 B	07-06-1991
			AT 132140 T	15-01-1996
			AU 623733 B2	21-05-1992
			AU 4908690 A	25-10-1990
			CA 2009300 A1	06-08-1990
			CZ 9000335 A3	17-02-1993
			DE 69024381 D1	08-02-1996
			DE 69024381 T2	15-05-1996
			DK 382687 T3	05-02-1996
			EP 0382687 A2	16-08-1990
			ES 2081966 T3	16-03-1996
			FI 96686 B	30-04-1996
			GR 3018549 T3	31-03-1996
			HU 54118 A2	28-01-1991
			HU 9400048 A3	30-01-1995
			IL 93257 A	31-07-1994
			JP 3197462 A	28-08-1991
			MX 19368 A	01-09-1993
			NO 900542 A ,B,	07-08-1990
			PL 283642 A1	11-02-1991
			PT 93066 A ,B	31-08-1990
			RU 2040524 C1	25-07-1995
			US 5106851 A	21-04-1992
			ZA 9000825 A	30-10-1991